

*A1*

*Cond.*

*B1*

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*Cont.*

- a) transmitting a frameless broadband [broad band] primary data signal from a transmitting station to a plurality of receivers, wherein said [broad band] primary data signal contains a plurality of information signals intended for specific receivers.
- b) transmitting an index signal from said [transceiver] transmitting station to said plurality of receivers, wherein said index signal contains index information for selecting information signals in said primary data signal;
- c) receiving and decoding said index signal at a receiving station;
- d) selecting, at said receiving station, one or more information signals in said primary data signal based on index information extracted from said index signal;
- e) decoding the selected information signals in said primary data signal at said receiving station.

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*D*

*Ad*

*Cont.*

- 8. A method of transmitting data in a digital communication system between a transmitting station and a receiving station, said transmitting method comprising:
  - a) transmitting an information signal from said transmitting station to a relay station, wherein said information signal contains a series of discrete data packets;
  - b) extracting index information from said information signal at said relay station;
  - c) re-transmitting said information signal from said [transmitting] relay station to a plurality of receivers,
  - d) transmitting an index signal from said [transmitting] relay station to said plurality of receivers, wherein said index signal contains said index information extracted from information signal for selecting data packets in said [broad band] broadband signal;